

# Hylon® N1240MGL

Polyamide 66

Ravago Manufacturing Americas, LLC

Message:

Nylon 66, 25% Mineral/15% Glass Filled

| General Information                               |                                  |                   |             |
|---------------------------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                            | Glass Fiber,15% Filler by Weight |                   |             |
|                                                   | Mineral,25% Filler by Weight     |                   |             |
| RoHS Compliance                                   | RoHS Compliant                   |                   |             |
| UL File Number                                    | E157012                          |                   |             |
| Physical                                          | Nominal Value                    | Unit              | Test Method |
| Density                                           | 1.49                             | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage - Flow (3.18 mm)                | 0.40 to 0.70                     | %                 | ISO 294-4   |
| Water Absorption (23°C, 24 hr)                    | 0.80                             | %                 | ISO 62      |
| Hardness                                          | Nominal Value                    | Unit              | Test Method |
| Rockwell Hardness (M-Scale)                       | 98                               |                   | ISO 2039-2  |
| Mechanical                                        | Nominal Value                    | Unit              | Test Method |
| Tensile Stress (Break)                            | 114                              | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | 1.8                              | %                 | ISO 527-2   |
| Flexural Modulus                                  | 7930                             | MPa               | ISO 178     |
| Flexural Stress                                   | 172                              | MPa               | ISO 178     |
| Impact                                            | Nominal Value                    | Unit              | Test Method |
| Notched Izod Impact Strength                      | 4.0                              | kJ/m <sup>2</sup> | ISO 180     |
| Thermal                                           | Nominal Value                    | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 229                              | °C                | ISO 75-2/A  |
| Flammability                                      | Nominal Value                    |                   | Test Method |
| Flame Rating                                      |                                  |                   | UL 94       |
| 1.50 mm                                           | HB                               |                   |             |
| 3.00 mm                                           | HB                               |                   |             |

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